



www.experimentalpro.com

2005/08198/23

5 College Rd. Kenilworth

Tel: +27 (0)21 6839673,

Armin Hahnewald 079 741 1212,

Joachim Kaehny 082 927 5498

Hydro Gro Deco

WATER RETAINING POLYMERS

Hydro Gro Deco is a synthetic water imbibing polymer which can be used to make beautiful crystallized candles and displays and for numerous floral arrangement applications.

When hydrated, Hydro Gro Deco can absorb large quantities of water. The water forms gel particles, which lock in the water.

PRECAUTIONS:

When used as directed, Hydro Gro Deco presents no hazard. However, the following precautions should be observed, especially when the product is handled in bulk.

- Avoid all contact by mouth, with skin and eyes.
- Wash hands and exposed skin before meals and after work
- Keep out of reach of children, pets, livestock and away from foodstuffs.
- Keep in original container, tightly closed in a safe place.
- Store in a dry place and avoid excessive temperatures.
- Do not breathe dust. If necessary, for personal comfort, wear a dust mask.
- **DO NOT flush down drain to prevent blockage. Distribute in garden.**

GENERAL INFORMATION:

Hydro Gro Deco can be used for several applications.

a. Swollen Gel:

To prepare a swollen gel, mix 1 teaspoon of Hydro Gro Deco with 1ℓ water and allow to stand for 60 minutes. The resultant gel should be relatively stiff and adhesive.

b. Water quality:

The amount of water absorbed by Hydro Gro Deco will depend on its harness. Typically, between 3 - 9 grams of Hydro Gro Deco will be required to absorb 1 ℓ water.

c. Temperature stability:

Hydro Gro Deco remains stable at temperatures in excess of 150°C

DIRECTIONS FOR USE:

1. Hydro Gro Deco Preparation:

Add 1 teaspoon (appr. 5ml) to 1 l of water. Wait for approximately one hour to crystallise fully. Add Hydro Gro Deco to suitable container i.e. glass vases, bowls, etc.

2. Flower Arrangements:

Add fresh cut flowers or hydroculture i.e. bamboo shoots, etc. to help keep your fresh cuts. Once plants have reached their maximum vase life span, simply rinse out the Hydro Gro Deco in a sieve to eliminate odor causing plant waste and re-use.

In its gel form, Hydro Gro Deco makes a perfect hydrated substrate, making flower arranging easy and enjoyable.

3. Candles:

Add Hydro Gro Deco to a suitable container i.e. low wide opening bowls, etc., add a wick into the gel and pour a small measure of fuel i.e. lamp oil (odorless), paraffin or biofuel around the wick. Do not soak the exposed tip of the wick, as it will be difficult to light. Once the fuel has been poured into the container, light the wick. The heat of the flame will turn the oil into a gas and this is how your candle will burn. The amount of oil used will depend on the size of your container. Start off with one or two tablespoon measures of oil.

Add aromatherapy oil or citronella oil to make your own aromatherapy candles.

The length of the protruding wick will determine the size and length of the flame. Play around with this to regulate your flame.

4. Decor:

Vary the consistency and the crystalline appearance by draining excess water or adding a few more crystals. The formed gel can be stirred to achieve a more sparkling crystal effect.

5. Icepacks:

Add Hydro Gro to a sealable bag or plastic container, freeze and you got a Ice Pack for the cooler box or injuries. Hydro Gro is flexible for wrap arounds.

Reusable

Hydro Gro Deco can be re-used many times and is best stored in 2 ways.

1. in its gel form it is best kept in a closed container to prevent dehydration by evaporation.

2. alternatively, spread out the gel on some tin foil and leave it in the sun and soon it becomes powder again.

This takes up minimal space and can be rehydrated at any time.

Download our instruction video on our website www.experimentalpro.com or <http://experimentalpro.com/HYDROGRO.html>

